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Board of health—Continued.

Otho Fiedler, M. D., Sheboygan.
J. M. Furstman, M. D., Lacrosse.
C. A. Harper, M. D., secretary, Madison.

Executive health officer:

C. A. Harper, M. D., Madison.

Bureau of education:

Bureau of contagious diseases:

C. A. Harper, M. D., Madison.

Bureau of sanitary engineering:

W. G. Kirchoffer, Madison.

Bureau of vital statistics:

L. W. Hutchcroft, statistician, Madison.

Laboratory:

W. D. Stovall, M. D., bacteriologist.
E. J. Tully, chemist.

Fiscal year ends June 30.

WYOMING.

Board of health:

Anna G. Hurd, M. D., president, Sheridan.

Herbert T. Harris, M. D., Basin.

W. A. Wyman, M. D., secretary, Cheyenne.

Executive health officer:

W. A. Wyman, M. D., Cheyenne.

Appropriation for health department:

\$4,700 for two years.

Fiscal year ends April 1.

PLAGUE-PREVENTION WORK.

CALIFORNIA.

The following report of plague-prevention work in California for the week ended May 20, 1916, was received from Surg. Boggess, of the United States Public Health Service, in charge of the work:

SAN FRANCISCO, CAL.

RAT PROOFING.

New buildings:

Inspections of work under construction.	225
Basements concreted (square feet, 69,495).....	73
Floors concreted (square feet, 27,015)....	20
Yards, passageways, etc., concreted (square feet, 29,984).....	103
Total area of concrete laid (square feet, 126,494).....	

Class A, B, and C (fireproof) buildings:

Inspections made.....	137
Roof and basement ventilators, etc., screened.....	695
Wire screening used (square feet).....	3,530
Openings around pipes, etc., closed with cement.....	1,505
Sidewalk lens lights replaced.....	1,500

Old buildings:

Inspections made.....	306
Wooden floors removed.....	32
Yards and passageways, planking removed).....	4
New foundations walls installed (cubic feet).....	6,250
Concrete floors installed (square feet, 28,465).....	29
Basements concreted (square feet, 13,060).....	14
Yards and passageways, etc., concreted (square feet, 16,810).....	67
Total area concrete laid (square feet)....	58,335
Floors rat proofed with wire cloth (square feet, 4,060).....	5
Buildings razed.....	14
New garbage cans stamped approved....	525
Nuisances abated.....	319

SAN FRANCISCO, CAL.—Continued.

OPERATIONS ON THE WATER FRONT.

Vessels inspected for rat guards.....	13
Reinspections made on vessels.....	23
New rat guards procured.....	7
Defective rat guards repaired.....	13
Rats trapped on wharves and water front...	38
Rats trapped on vessels.....	43
Traps set on wharves and water front.....	131
Traps set on vessels.....	223
Vessels trapped on.....	13
Poisons placed on water front (pieces).....	3,600
Poisons placed within Panama Pacific International Exposition Grounds (pieces)....	32,500
Bait used on water front and vessels bacon (pounds).....	6
Bread used in poisoning water front (loaves).....	9
Poison used on water front (pounds).....	3

RATS COLLECTED AND EXAMINED FOR PLAGUE.

San Francisco:

Collected.....	500
Examined.....	411
Found infected.....	None.

Oakland:

Collected.....	14
Examined.....	14
Found infected.....	None.

RATS IDENTIFIED.

Mus norvegicus.....	243
Mus rattus.....	99
Mus alexandrinus.....	120
Mus musculus.....	47

SQUIRRELS COLLECTED AND EXAMINED FOR
PLAGUE.

County.	Col- lected.	Exam- ined.	Found infected.
Alameda.....	658	658	None.
Merced.....	546	546	2
Stanislaus.....	224	224	None.
San Luis Obispo.....	205	205	None.
Contra Costa.....	832	832	1
San Benito.....	669	669	None.
San Mateo.....	109	109	None.
Santa Clara.....	250	250	None.
Monterey.....	394	394	None.
Santa Cruz.....	374	374	None.
Fresno.....	43	43	None.
Total.....	4,304	4,304	3

OTHER ANIMALS COLLECTED AND EXAMINED.

Rabbits.....	26
Kangaroo rats.....	2
Weasels.....	1
Badgers.....	1
Total.....	30
Found infected.....	None.

RANCHES INSPECTED.

Alameda County.....	64
Contra Costa County.....	62
Stanislaus County.....	56
Santa Clara County.....	39
San Benito County.....	32
Merced County.....	30
Santa Cruz County.....	26
San Mateo County.....	19
Monterey County.....	17
Fresno County.....	6
San Luis Obispo County.....	4

Total..... 355

PLAGUE-INFECTED SQUIRRELS.

Merced County:

Shot May 10, 1916. Crocker-Huffman Land & Water Co. canal, 3 miles southeast of Snellings, secs. 10, 11, 15, T. 5 S., R. 14 E..	1
Shot May 12, 1916. Crocker-Huffman Land & Water Co. canal, 9 miles southeast of Snelling, secs. 26 and 34, T. 5 S., R. 15 E..	1

Contra Costa County:

Shot May 10, 1916. M. Griffith Ranch, 8 miles southwest of Antioch, sec. 31, T. 2 N., R. 1 E.....	1
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RECORD OF PLAGUE INFECTION.

Places in California.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number rodents found infected since May, 1907.
Cities:				
San Francisco.....	Jan. 30, 1908	Oct. 23, 1908	None.....	398 rats.
Oakland.....	Aug. 9, 1911	Dec. 1, 1908	.....do.....	126 rats.
Berkeley.....	Aug. 28, 1907	None.....	.....do.....	None.
Los Angeles.....	Aug. 11, 1908	.....do.....	Aug. 21, 1908	1 squirrel.
Counties:				
Alameda (exclusive of Oakland and Berkeley).....	Sept. 24, 1909	Oct. 17, 1909 ¹	July 12, 1915	287 squirrels; 1 wood rat.
Contra Costa.....	July 13, 1915	None.....	May 10, 1916	1,603 squirrels.
Fresno.....	None.....	.....do.....	Oct. 27, 1911	1 squirrel.
Merced.....	.....do.....	.....do.....	May 12, 1916	7 squirrels.
Monterey.....	.....do.....	.....do.....	Apr. 18, 1916	33 squirrels.
San Benito.....	June 4, 1913	.....do.....	Apr. 27, 1916	57 squirrels.
San Joaquin.....	Sept. 18, 1911	.....do.....	Aug. 26, 1911	18 squirrels.
Santa Clara.....	Aug. 31, 1910	.....do.....	Apr. 22, 1916	27 squirrels.
San Luis Obispo.....	None.....	.....do.....	Jan. 29, 1910	1 squirrel.
Santa Cruz.....	.....do.....	.....do.....	Apr. 28, 1916	4 squirrels.
Stanislaus.....	.....do.....	.....do.....	June 2, 1911	13 squirrels.

¹ Wood rat.

The work is being carried on in the following named counties: Alameda, Contra Costa, San Francisco, Stanislaus, San Benito, Monterey, Santa Clara, San Mateo, Santa Cruz, San Luis Obispo, Merced, Fresno, Lassen, and Modoc.

LOUISIANA—NEW ORLEANS—PLAGUE ERADICATION.

The following reports of plague-eradication work at New Orleans were received from Passed Asst. Surg. Simpson, of the United States Public Health Service, in charge of the work:

WEEK ENDED MAY 27, 1916.

OUTGOING QUARANTINE.	
Vessels fumigated with cyanide gas.....	15
Cyanide used in cyanide-gas fumigation (pounds).....	972
Sulphuric acid used in cyanide-gas fumigation (pints).....	1,471
Clean bills of health issued.....	34
Foul bills of health issued.....	5
FIELD OPERATIONS.	
Rodents trapped.....	6,919
Premises inspected.....	7,347
Notices served.....	1,153
Garbage cans installed.....	8
BUILDINGS RAT PROOFED.	
By elevation.....	139
By marginal concrete wall.....	105
By concrete floor and wall.....	150
By minor repairs.....	259
Total buildings rat proofed.....	653

BUILDINGS RAT PROOFED—continued.	
Concrete laid (square yards).....	11,281
Premises, planking, and shed flooring removed.....	106
Buildings demolished.....	141
Total buildings rat proofed to date (abated).....	116,025

LABORATORY OPERATIONS.	
Rodents received by species:	
Mus rattus.....	264
Mus norvegicus.....	1,622
Mus alexandrinus.....	182
Mus musculus.....	4,845
Wood rats.....	62
Musk rats.....	22
Putrid (included in enumeration of species).....	196
Total rodents received at laboratory.....	6,997
Rodents examined.....	2,078
Rats suspected of plague.....	123
Plague rats confirmed.....	None.

WEEK ENDED JUNE 3, 1916.

OUTGOING QUARANTINE.	
Vessels fumigated with cyanide gas.....	12
Cyanide used in cyanide-gas fumigation (pounds).....	674
Sulphuric acid used in cyanide-gas fumigation (pints).....	1,022
Clean bills of health issued.....	32
Foul bills of health issued.....	2

FIELD OPERATIONS.	
Rodents trapped.....	6,389
Premises inspected.....	6,755
Notices served.....	888
Number of garbage cans installed.....	6

BUILDINGS RAT PROOFED.	
By elevation.....	111
By marginal concrete wall.....	85
By concrete floor and wall.....	140
By minor repairs.....	219
Total buildings rat proofed.....	555
Concrete laid (square yards).....	5,063
Premises, planking and shed flooring removed.....	105
Buildings demolished.....	214
Total buildings rat proofed to date (abated).....	116,580

PLAGUE RATS.	
Case No. 292:	
Address, Washington Avenue and Broad Street.	
Captured, May 5, 1916.	
Diagnosis confirmed, May 30, 1916.	
Treatment of premises: Discontinuance of dumping. Incineration of dump. Intensive trapping.	

PLAGUE RATS—continued.	
Case No. 293:	
Address, 312 Carondelet Street.	
Captured, May 13, 1916.	
Diagnosis confirmed, May 30, 1916.	
Treatment of premises: Rat proofing initiated. Intensive trapping.	

LABORATORY OPERATIONS.	
Rodents received by species:	
Mus rattus.....	112
Mus norvegicus.....	1,219
Mus alexandrinus.....	118
Mus musculus.....	4,528
Wood rats.....	61
Musk rats.....	42
Putrid (included in enumeration of species).....	266
Total rodents received at laboratory.....	6,080
Rodents examined.....	1,480
Rats suspected of plague.....	121
Plague rats confirmed.....	2

PLAGUE STATUS TO JUNE 3, 1916.	
Last case of human plague, Sept. 8, 1915.	
Last case of rodent plague, May 13, 1916.	
Total number of rodents captured to June 3.....	733,506
Total number of rodents examined to June 3.....	359,873
Total cases of rodent plague to June 3, by species:	
Mus musculus.....	6
Mus rattus.....	18
Mus alexandrinus.....	13
Mus norvegicus.....	256
Total rodent cases to June 3, 1916.....	293

¹ Indicates the number of rodents, the tissues of which were inoculated into guinea pigs. Most of them showed on necropsy only evidence of recent inflammatory process; practically none presented gross lesions characteristic of plague infection.

HAWAII—PLAGUE PREVENTION.

The following reports of plague-prevention work in Hawaii were received from Surg. Trotter, of the United States Public Health Service:

Honolulu.**WEEK ENDED MAY 20, 1916.**

Total rats and mongoose taken.....	367	Average number of traps set daily.....	984
Rats trapped.....	367	Cost per rat destroyed.....	20½ cents.
Examined microscopically.....	7	Last case rat plague, Aiea, 9 miles from Honolulu,	
Examined macroscopically.....	360	Apr. 12, 1910.	
Showing plague infection.....	None.	Last case human plague, Honolulu, July 12, 1910.	
Classification of rats trapped:		Last case rat plague, Paauhau, Hawaii, Jan. 18,	
<i>Mus alexandrinus</i>	95	1916.	
<i>Mus musculus</i>	146	Last case human plague, Paauhau Plantation,	
<i>Mus norvegicus</i>	90	Hawaii, Dec. 16, 1915.	
<i>Mus rattus</i>	36		

Hilo.**WEEK ENDED MAY 13, 1916.**

Rats and mongoose taken.....	2,348	Classification of rats:	
Rats trapped.....	228	<i>Mus norvegicus</i>	471
Mongoose taken.....	64	<i>Mus alexandrinus</i>	301
Rats and mongoose examined macroscopically.....	2,348	<i>Mus rattus</i>	576
Rats and mongoose plague infected.....	None.	<i>Mus musculus</i>	936
		Last case of rat plague, Paauhau Sugar Co., Jan. 18,	
		1916.	
		Last case of human plague, Paauhau Sugar Co.,	
		Dec. 16, 1915.	